

DATE: June 8, 1976  
TO: Bill Child *wcc*  
FROM: Paul Steadman *PS*  
SUBJECT: KANE CO. - 08905501 - Montgomery/Phillips (Thom)

EPA Region 5 Records Ctr.



362170

Recommendations for Final Closure Plan

The subject facility was jointly inspected with K. Bechely. The primary purpose of this inspection was to determine what deficiencies this site was experiencing as well as to offer some recommendations for a final closure plan. They are the following:

1) Rule 318 (a), (b) & (c) should be complied with, and Rule 318 (a), with reference to water monitoring, should be carried out on a quarterly basis for the three (3) years. Prior to initiating the quarterly monitoring program, a background analysis on the twenty (20) following parameters will be submitted for each of the 3 monitor wells on the site: alkalinity, ammonia, boron, calcium, C.O.D., chloride, chromium (total), copper, hardness, iron, lead, magnesium, manganese, mercury, pH, potassium, total dissolved solids, sodium, sulfate and zinc.

The quarterly monitoring program should include all 3 monitor wells with samples to be analyzed for the following ten (10) parameters: ammonia, boron, C.O.D., chloride, hardness, iron, manganese, pH, total dissolved solids and zinc.

2) An area of the western 2/3's of the site extending approximately 380 feet from north to south, and approximately 300 feet east to west requires a minimum of two (2) feet of final cover, for a total of 8,444 cu. yds. (380' X 300' X 2' ÷ 27) clean, natural, earthen materials. An additional amount of clean earth may be required to promote adequate and proper drainage. The eastern 1/3 of the site also will require additional application of cover to bring the entire site up to grade. A professional engineer should be contracted by the site operator to submit to this Agency's Permit Section, within sixty (60) days, a complete closure plan indicating final elevations and contours which will promote adequate drainage and alleviate any ponding on the site. This final closure plan will be submitted to this Agency's Permit Section for review and approval.

3) Adequate site access restrictions shall be installed consisting of fencing and gates.

4) All materials on the western and northern sectors of the site should be spread and compacted or removed from the site.

5) It should be stipulated that only clean, natural, earthen materials may be used.\* Any additional use of S.T.P. wastes would require a Supplemental Permit, after first obtaining an Operating Permit.

These recommendations are agreed upon, and fulfill basic requirements by K. Bechely and I of this Agency's Northern Region, Field Operations Section.

PRS/dek

cc: Tom Clark  
Tom Cavanagh  
Robert Osmundsen  
Mary Schlott, A.G.'s Office  
File

\* The clean, earthen materials are recommended to be fine grained soil such as clay with a permeability factor of  $1 \times 10^{-7}$  cm/sec, and accompanying compaction factors of from 90% to 95% Proctor.

\*\* The installation of an additional monitor well may be recommended for irplacement at the extreme southeast portion of the site to a depth of 20 to 30 feet if definite groundwater pollution is proven.